

- \* Class will get to know each other, the teacher, and procedures (build community)
- \* SWBAT use the scientific method to create and complete an experiment, recording the learning in a Vee Chart.
- \* SWBAT evaluate experiments by others

Sep 6-2:31 PM

SECA Physics  
Friday 13 September 2013

# Welcome!!!

H. Leslie Grebe

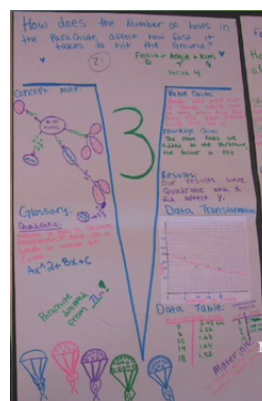
CENTERING  
New people?

- \* Get your V chart from back table  
WRITE NAMES of who is here!

## Opening Activity:

Think on your own or discuss with a neighbor...

WHO might care about this kind of experiment???



Sep 7-7:04 AM

# Step by step procedure...

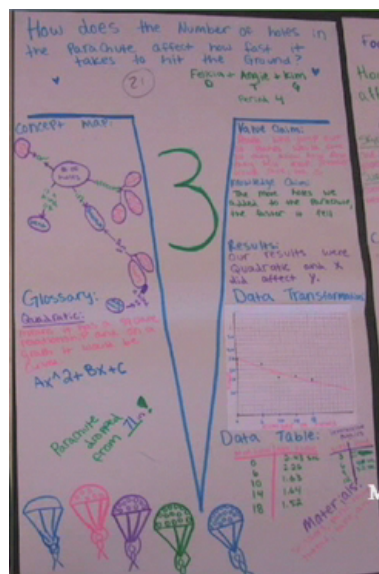
What did we come up with?

- RAMP ON BOOKS
- MEASURE HEIGHT  
FROM \_\_\_\_\_ TO \_\_\_\_\_
- SET CAR ON RAMP  
TOP MIDDLE & LET IT GO
- MEASURED DISTANCE  
FROM \_\_\_\_\_ TO \_\_\_\_\_
- RECORD DATA
- REPEAT 1 MORE TIME AT THIS HEIGHT
- ADD A BOOK & REPEAT STEPS \_\_\_\_\_ TO \_\_\_\_\_  
& MORE TIMES

Sep 12-7:42 AM

The Vee Chart:

Shows what we found out from an experiment.



Sep 9-7:20 AM

## Project Vee Chart

- Part 1: Write down your question  
How DOES \_\_\_\_\_ AFFECT HOW FAR A TOY CAR TRAVELS PAST THE END OF THE RAMP?
- Part 2: Concept Map  
I THINK AS... BECAUSE... I NOTICED...
- Part 3: Methods and Materials  
- MATERIALS - STEP BY STEP - DIAGRAM
- Part 4: Data  
- TABLE W/ UNITS - MORE DATA  $\Rightarrow$  BETTER!  
OBSERVED
- Part 5: Graph  
- LABELS  
- UNITS  
YOU CHANGED
- Part 6: Results  
- ODD DATA EXPLAINED - DESCRIPTION - LINE? - UP/DN/FLAT? - CURVE? - REACH LIMIT
- Part 7: Knowledge Claim  
- ANSWER TO Q - DATA / #S TO SUPPORT - BETTER NEXT TIME?
- Part 8: Value Claim  
- WHO WOULD CARE - WHY? X2
- Part 9: Glossary  
  - $\hookrightarrow$  MAYBE "NONE"?
  - $\hookrightarrow$  VELOCITY, GRAVITY, REACTION, ....?
  - BOOK GLOSSARY

Jan 26-7:43 AM

## Our Set Up:

- \* Pick a car
- \* Let go from rest
- \* Measure how far it goes past the end of the track
- \* Pick one thing to change from the list below
- \* Change that one thing and measure
- \* Change that same one thing a bit more and measure again

### Things to change (pick one):

- Texture of driving surface
- Weight of car
- Height of release

USE RUBRIC

### Today... Parts 1-3:

- \* Groups of 1-3.  
Pick team name
- \* Pick a question
- \* Guess at the answer - explain
- \* Design set up

USE PENCIL!

Sep 9-7:25 AM